

# Minimalist scale, unequaled performance that delivers

## CHOPSTICK SUSPENDED LED PoE



SEMI-INDIRECT, MESOOPTICS LENS  
CRI >80 3500K, 2400 lm/4ft

**Project:** \_\_\_\_\_

**Spec Type:** \_\_\_\_\_

**Catalog No:** 7505PBGxN \_\_\_\_\_

**Qty** \_\_\_\_\_

**Line Notes:** \_\_\_\_\_

### Ordering guide



Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring	Voltage	Driver	Finish
<input type="text" value="7505"/>	<input type="text" value="P"/>	<input type="text" value="B"/>	<input type="text" value="G"/>	<input type="text"/>	<input type="text" value="N"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Chopstick Susp Semi-Indirect	P LED PoE	A 4000K B 3500K C 3000K	G 2400 lm/4ft	Q MesoOptics Lens	N None	04 4' 08 8' XX Total run length (4' increments)	7 1 cct w/ Dimming	N Not applicable (Class 2)	E Standard	W Standard White

\* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

### Mounting Hardware

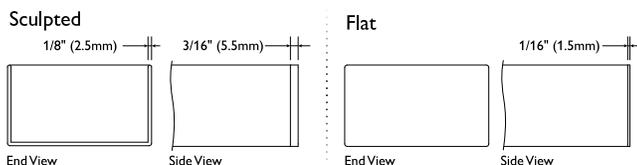
Mount Type  
Consult separate mounting spec sheet for mount type options

Suspension Length  
Distance from ceiling to top of luminaire in inches

Endcaps -

**Integrated Controls** Please indicate with check mark.

Philips Actilume Daylight and Occupancy Sensor (DO)

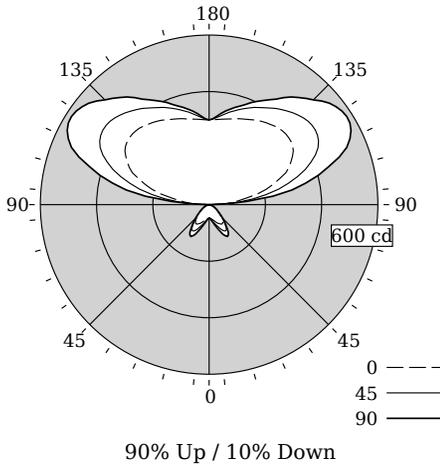


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### Photometry



Total Output	2394 lm
Efficacy	107.4 lm/W
CCT	3402K
CRI	83
R9	9
Distribution	90% Up / 10% Down
Peak/Zenith Ratio	1.94
Peak Output	580 cd @ 123°
Meets RP-1-04 recommendations for VDT-Intensive spaces	

Values per 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08

### Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	47	47	47	47	0
5	49	49	50	49	5
15	57	58	66	68	19
25	72	77	94	105	43
35	82	91	108	118	63
45	60	65	66	71	52
55	35	38	36	37	33
65	19	20	19	20	19
75	9	8	7	7	8
85	2	1	1	1	1
90	0	0	0	0	0
95	78	71	108	110	136
105	211	217	291	350	403
115	314	333	417	498	553
125	362	390	461	538	577
135	369	398	448	506	524
145	354	382	415	449	462
155	332	357	380	396	403
165	314	327	343	355	356
175	302	305	309	313	314
180	300	300	300	300	0

### Coefficients of Utilization (%)

RCR	Ceiling:		80				70				50				0			
	Wall:		70	50	30	10	70	50	30	10	50	30	10	0	50	30	10	0
0			98	98	98	98	85	85	85	61	61	61	10					
1			89	85	81	78	77	74	71	54	52	50	9					
2			81	74	69	64	70	65	60	47	44	42	8					
3			74	65	58	53	64	57	51	41	38	35	6					
4			67	57	50	45	58	50	44	37	33	30	6					
5			62	51	43	38	53	45	38	33	28	25	5					
6			57	45	38	32	49	40	33	29	25	22	4					
7			52	41	33	28	45	36	29	26	22	19	4					
8			48	37	29	25	42	32	26	24	19	16	3					
9			45	33	26	22	39	29	23	21	17	14	3					
10			41	30	23	19	36	27	21	20	16	13	3					

### Avg. Luminance (cd/m<sup>2</sup>)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1662	1688	1683
65	1239	1232	1153
75	894	729	647
85	489	280	70

### Electrical Specifications

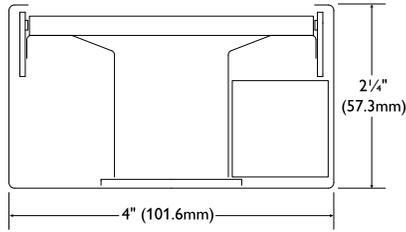
Input Voltage	PoE (51-54VDC)
Input Power	22.3W
Tested values – contact technical support for rated values. Standby power <0.9W	

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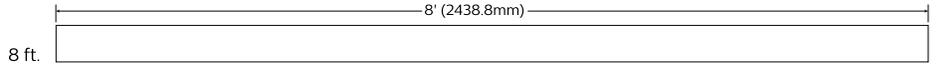
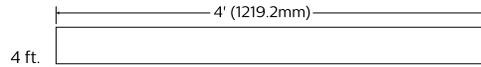
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### Options and Details



### Modules

Module length excludes end caps. Nominal mounting spacing for individually mounted modules.



Note: Refer to installation instructions for exact mount.

### Optics & Styles

#### Housing

Precision formed 20 gauge cold-rolled steel.

#### Weight

Maximum 3.0lb/ft.

#### Optical System

A low-profile light guide panel is edge lit by an LED array. The light guide couples and transmits the light via total internal reflection, then the etched surface of the panel optimizes the light extraction to create a semi-indirect distribution. Light is purified and controlled by MesoOptics film as it passes through the nonglare acrylic lens.

#### Driver

Philips PoE Lighting Controller.

#### Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is L<sub>80</sub> (12k) 70,000 hrs.

#### Mounting

tamper-resistant aircraft cable grippers provide infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

#### Joints

Self-aligning joining system with hands-free pre-joining wire access.

#### Endcaps

Diecast aluminum endcaps, available in flat (standard) or edge sculpted.

#### Electrical

Integrated CAT5e cable allows for upto 24" drop between Luminaire and Canopy. Mounting canopy provides RJ45 connection point for PoE network.

#### Approvals

Certified to UL, CSA and IES standards.

#### Finish

High quality powder coated, available in matte white.

#### Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.



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[www.philips.com/luminaires](http://www.philips.com/luminaires)

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